AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-21 (Canceled without prejudice or disclaimer).

22. (New) A method of performing maintenance of an inverter of a user using a portable telephone including a first interface for communication between said portable telephone and said inverter and a second interface for communication between said portable telephone and a user support server of a maker, comprising the steps of:

receiving abnormal information of said inverter from said inverter using said first interface of said portable telephone, when an abnormal condition has occurred in said inverter;

transmitting said abnormal information from said portable telephone to said user support server using said second interface;

at said user support server, analyzing said abnormal information so as to create trouble shooting information regarding said abnormal condition, and then transmitting said trouble shooting information to said portable telephone; and

operating said inverter from said portable telephone, by using said first interface, on the basis of said trouble shooting information so as to solve said abnormal condition of said inverter, without said portable telephone being in communication with the user support server through the second interface.

23. (New) The method of performing maintenance of an inverter as claimed in claim 22, comprising a step of setting said first interface of said portable telephone by a program for connecting said portable telephone with said inverter.

24. (New) The method of performing maintenance of an inverter as claimed in claim 23, wherein said step of setting comprises a step of downloading said program from a Web site of the maker to said portable telephone.

25. (New) The method of performing maintenance of an inverter as claimed in claim 22, further comprising a step of entering a parameter from said portable telephone by manipulating a key thereof.

26. (New) The method of performing maintenance of an inverter as claimed in claim 25, comprising a step of downloading a program for entering said parameter from said portable telephone into said inverter from a Web site of the maker to said portable telephone.

27. (New) The method of performing maintenance of an inverter as claimed in claim 22, comprising, at said user support server, a step of adding an acceptance ID to internal information of said inverter at a time instant when said internal information is received by said user support server and storing said internal information with said acceptance ID into a data base.

28. (New) The method of performing maintenance of an inverter as claimed in claim 22, wherein, when the abnormal condition of said inverter cannot be solved, as a result of automatic analysis by said user support server, said user support server is automatically connected to a support center operated by an operator.

29. (New) The method of performing maintenance of an inverter as claimed in claim 22, comprising a step of, by said inverter, displaying an internal parameter of said inverter on said portable telephone.

30. (New) The method of performing maintenance of an inverter as claimed in claim 22, wherein said inverter is built in a motor which is controlled by said inverter.

31. (New). The method of performing maintenance of an inverter of a user as claimed in claim 22, wherein said inverter is arranged as a group of at least two inverters which are connected to each other via either a wire line or a wireless line.

32. (New) The method of performing maintenance of an inverter as claimed in claim 22, comprising a step of rewriting a control program written into said inverter by downloading a program from a server of a maker by employing said portable telephone.

33. (New) A method of performing maintenance of an inverter of a user using a portable telephone, where the inverter is in a location where telephone communications cannot be established using the portable telephone, including a first interface for communication between said portable telephone and said inverter and a second interface for communication between said portable telephone and a user support server of a maker, comprising the steps of:

connecting the portable telephone with the inverter and receiving abnormal information of said inverter from said inverter using said first interface of said portable telephone, when an abnormal condition has occurred in said inverter, without said portable telephone being in communication with the user support server through the second interface;

disconnecting the portable telephone from the inverter and transmitting said abnormal information from said portable telephone to said user support server using said second interface;

at said user support server, analyzing said abnormal information so as to create trouble shooting information regarding said abnormal condition, and then transmitting said trouble shooting information to said portable telephone; and

re-connecting the portable telephone to the inverter and operating said inverter from said portable telephone, by using said first interface, on the basis of said trouble shooting information so as to solve said abnormal condition of said inverter, without said portable telephone being in communication with the user support server through the second interface.

34. (New) The method of performing maintenance of an inverter as claimed in claim 33, comprising a step of setting said first interface of said portable

telephone by a program for connecting said portable telephone with said inverter.

35. (New) The method of performing maintenance of an inverter as claimed in claim 34, wherein said step of setting comprises a step of downloading said program from a Web site of the maker to said portable telephone.

36. (New) The method of performing maintenance of an inverter as claimed in claim 33, further comprising a step of entering a parameter from said portable telephone by manipulating a key thereof.

37. (New) The method of performing maintenance of an inverter as claimed in claim 36, comprising a step of downloading a program for entering said parameter from said portable telephone into said inverter from a Web site of the maker to said portable telephone.

38. (New) The method of performing maintenance of an inverter as claimed in claim 33, comprising, at said user support server, a step of adding an acceptance ID to internal information of said inverter at a time instant when said internal information is received by said user support server and storing said internal information with said acceptance ID into a data base.

39. (New) The method of performing maintenance of an inverter as claimed in claim 33, wherein, when the abnormal condition of said inverter cannot be solved, as a result of automatic analysis by said user support server, said user support server is automatically connected to a support center operated by an operator.

40. (New) The method of performing maintenance of an inverter as claimed in claim 33, comprising a step of, by said inverter, displaying an internal parameter of said inverter on said portable telephone.

41. (New) The method of performing maintenance of an inverter as claimed in claim 33, wherein said inverter is built in a motor which is controlled by said inverter.

42. (New). The method of performing maintenance of an inverter of a user as claimed in claim 33, wherein said inverter is arranged as a group of at least two inverters which are connected to each other via either a wire line or a wireless line.

43. (New) The method of performing maintenance of an inverter as claimed in claim 33, comprising a step of rewriting a control program written into said inverter by downloading a program from a server of a maker by employing said portable telephone.